

CLAIMS

7. (Currently amended) A smart panel for reducing noise over a wide bandwidth, said smart panel having an audible resonance frequency, comprising:

a pair of board structures which [generates] generate noise in an audible frequency band, said board structures being separated by an air layer;

a sound absorption member for decreasing noise generated by said board structures in an audible frequency band, said sound absorption member being attached to [one] a face surface of [said] at least one of said board structures which faces the other one of said board structures; and

[at least one] a piezoelectric unit attached to an anti-nodal point of each of said board structures for decreasing noise generated by said board structures when said audible resonance frequency is propagated, said piezoelectric units being ~~attached to an anti-nodal point of said board structure~~ on [a] face surfaces of said board structures opposite said sound absorption member and air layer, said piezoelectric units comprising a piezoelectric member and a tunable shunt circuit connected with said piezoelectric member for electrically resonating impedance of said piezoelectric member.

8. (Original) The smart panel of claim 7 wherein said shunt circuit includes resistive and inductive components.

9. (Original) The smart panel of claim 8, further comprising a plurality of said

piezoelectric units each attached to anti-nodal points of said board structure on a face surface of said board structure opposite said sound absorption member.

10. (Cancelled)